AUDIT REPORT

Hostname: Dist_Router
Config file name: dist-router.txt
Config hash: fd2712fba7473a1f7ae2f5295b74807c2d105911
Vendor: cisco
OS: ios
Facility layer: distribution
L3 protocols: ipv4,ipv6
Enabled functions: rip,ospf ipv4,eigrp named
Date: 18/05/2020_09:49

SUCCESS STATISTICS

Weighted score coefficient:	95 out of 100
Successful checks:	92.8%
Unsuccessful checks:	7.2%
Total number of relevant started checks:	139
Successful checks:	129
Unsuccessful 'Critical':	4
Unsuccessful 'High':	1
Unsuccessful 'Medium':	4
Unsuccessful 'Low':	1
Unsuccessful 'Notice':	0

Authentication, Authorization, Accounting

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	AAA new model/ Enabled AAA	High	False	False	Successful ✔
Right configuration setting found in: aaa new-model					
2	AAA server set	High	False	False	Successful ✔
Right configuration setting found in: radius server RADIUS_SERVER address ipv4 192.168.60.11 auth-port 1645 acct-port 1646 key RadKey1					
3	AAA server group	High	False	False	Successful ✔
Right configuration setting found in: aaa group server radius RADIUS_SERVER server name RADIUS_SERVER					
4	AAA authentication login	High	False	False	Successful ✔
Right configuration setting found in: aaa authentication login default group RADIUS_SERVER local enable					
5	AAA authentication login fallback	High	False	False	Successful ✔
Right configuration setting found in: aaa authentication login default group RADIUS_SERVER local enable					

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
6	AAA authentication login only local disabled	High	False	False	Successful ✔
7	AAA authentication login none disabled	Critical	False	False	Successful ✔
8	AAA authentication "enable"	Medium	False	False	Successful ✔

Right configuration setting found in:
aaa authentication enable default group RADIUS_SERVER enable

9	AAA authentication "enable" fallback	Medium	False	False	Successful ✔

Right configuration setting found in:
aaa authentication enable default group RADIUS_SERVER enable

10	AAA authentication "enable" only local disabled	Medium	False	False	Successful ✔
11	AAA authentication "enable" none disabled	High	False	False	Successful ✔
12	AAA authorization "exec"	High	False	False	Successful ✔

Right configuration setting found in:
aaa authorization exec default group RADIUS_SERVER local if-authenticated

13	AAA authorization "exec" fallback	High	False	False	Successful ✔

Right configuration setting found in:
aaa authorization exec default group RADIUS_SERVER local if-authenticated

14	AAA authorization "exec" only local disabled	High	False	False	Successful ✔
15	AAA authorization "exec" none disabled	Critical	False	False	Successful ✔
16	AAA accounting "connection"	High	False	False	Successful ✔

Right configuration setting found in:
aaa accounting connection default start-stop group RADIUS_SERVER

17	AAA auccounting "connection" none disabled	High	False	False	Successful ✔
18	AAA accounting "exec"	High	False	False	Successful ✔

Right configuration setting found in:
aaa accounting exec default start-stop group RADIUS_SERVER

19	AAA accounting "exec" none disabled	High	False	False	Successful ✔
20	AAA source interface	Medium	False	False	Successful ✔

Right configuration setting found in:
ip radius source-interface Loopback0

21	AAA authentication max attempts less or equal to 5	High	False	False	Successful ✔

Access to device

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	Exec timeout <=5 minutes	Medium	False	False	Successful ✔

Right configuration setting found in:
line con 0
exec-timeout 5 0
line vty 0 4
exec-timeout 5 0

2	AUX connection input disabled	High	False	False	Successful ✔
3	AUX no execution set	High	False	False	Successful ✔

Right configuration setting found in:
line aux 0
no exec

4	Remote output connections disabled	Medium	False	False	Successful ✔

Right configuration setting found in:
line con 0
transport output none
line aux 0
transport output none
line vty 0 4
transport output none

5	Local user database with encrypted password	Critical	False	False	Successful ✔

Right configuration setting found in:
username admin secret 5 1gYU0$93lIuGg5QupQM5RQS5qHe1

6	Local user database with plaintext password disabled	Critical	False	False	Successful ✔
7	Enable password encrypted	Critical	False	False	Successful ✔

Right configuration setting found in:
enable secret 5 1Ve1D$/DENeadgROMNj6GVED.Al1

8	Enable password plaintext disabled	Critical	False	False	Successful ✔
9	Local login to virtual terminal disabled	Critical	False	False	Successful ✔
10	Restrict login to device - IPv4 ACL	Critical	False	False	Successful ✔

Right configuration setting found in:
line vty 0 4
access-class IPV4_VTY_ACL in

11	ACL specified for VTY access is created	Critical	False	False	Error ✘

Comment:
Cannot be fixed automatically!

Fix notice:
Cannot be fixed automatically! If search is not successful create ACL, which permits only needed end stations for managing devices with these commands:
ip access-list standard <acl name>
remark Permiting managemnt device
permit <ip address> <wildcard mask>

12	Log login to device on failure	High	False	False	Successful ✔

Right configuration setting found in:
login on-failure log

13	Log login to device on success	Medium	False	False	Successful ✔

Right configuration setting found in:
login on-success log

14	Login quiet mode	Medium	False	False	Successful ✔

Right configuration setting found in:
login quiet-mode access-class IPV4_VTY_ACL

15	ACL exists for specified login quiet mode	Medium	False	False	Error ✘

Comment:
Cannot be fixed automatically!

Fix notice:
Cannot be fixed automatically! If search is not successful create ACL, which permits only needed end stations for managing devices with these commands:
ip access-list standard <acl name>
remark Permiting managemnt device
permit <ip address> <wildcard mask>

16	One user change config at time	High	False	False	Successful ✔

Right configuration setting found in:
configuration mode exclusive

17	Legal banner MOTD	Low	False	False	Successful ✔

Right configuration setting found in:
banner motd ^C Unauthorized access will be prosecuted!! ^C

18	Legal banner exec	Low	False	False	Successful ✔

Right configuration setting found in:
banner exec ^C Unauthorized access will be prosecuted!! ^C
banner login ^C Unauthorized access will be prosecuted!! ^C

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
19	Legal banner login	Low	False	False	Successful ✔

Right configuration setting found in:
banner login ^C Unauthorized access will be prosecuted!! ^C
banner motd ^C Unauthorized access will be prosecuted!! ^C

| 20 | Session timeout | Medium | False | False | Successful ✔ |

Right configuration setting found in:
line con 0
session-timeout 30
line aux 0
session-timeout 30
line vty 0 4
session-timeout 30

| 21 | AUX exec timeout one second | High | False | False | Successful ✔ |

Right configuration setting found in:
line aux 0
exec-timeout 0 1

| 22 | Restrict login to device - IPv6 ACL | Critical | False | False | Successful ✔ |

Right configuration setting found in:
line vty 0 4
ipv6 access-class IPV6_VTY_ACL in

| 23 | ACL IPv6 specified for VTY access is created | Critical | False | False | Error ✘ |

Comment:
Cannot be fixed automatically!

Fix notice:
Cannot be fixed automatically! If search is not successful create ACL, which permits only needed end stations for managing devices with these commands:
ipv6 access-list <acl name>
remark Permiting managemnt device
permit ip <ip address> <wildcard mask> any

| 24 | Login DOS block for | High | False | False | Successful ✔ |

Right configuration setting found in:
login block-for 120 attempts 3 within 30

SSH

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	SSH enable on management connection	Critical	False	False	Successful ✔

Right configuration setting found in:
line vty 0 4
transport input ssh

| 2 | SSH version 2 | Critical | False | False | Successful ✔ |

Right configuration setting found in:
ip ssh version 2

| 3 | SSH timeout | Medium | False | False | Successful ✔ |

Right configuration setting found in:
ip ssh time-out 30

| 4 | SSH max 3 retries | Medium | False | False | Successful ✔ |
| 5 | SSH source interface | High | False | False | Successful ✔ |

Right configuration setting found in:
ip ssh source-interface Loopback0

| 6 | SSH not default port | High | False | False | Successful ✔ |

Right configuration setting found in:
ip ssh port 2223 rotary 1

| 7 | SSH not default port applied | High | False | False | Successful ✔ |

Right configuration setting found in:
line vty 0 4
rotary 1

Device identification

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	Hostname set	Low	False	False	Successful ✔

Comment:
Cannot be fixed automatically!

Right configuration setting found in:
hostname Dist_Router

| 2 | Domain name set | Low | False | False | Successful ✔ |

Right configuration setting found in:
ip domain name thesis-test.cz

| 3 | All interfaces have description | Low | False | False | Error ✘ |

Comment:
Cannot be fixed automatically!

Right configuration setting found in:
interface Ethernet0/0
description uplink

Found port(s) with error:
Loopback0
Tunnel0
Ethernet0/1
Ethernet0/1.50
Ethernet0/1.60
Ethernet0/2
Ethernet0/3
Ethernet1/0
Ethernet1/1
Ethernet1/2
Ethernet1/3
Serial2/0
Serial2/1
Serial2/2
Serial2/3
Serial3/0
Serial3/1
Serial3/2
Serial3/3

Fix notice:
Set interface descrtiption with command:
interface <interface name>
description <description of interface>

Fix ignore comment:
Fixing commands suppressed due to manual need of manual chenage and name determination.

SNMP

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	SNMP v2 write disabled	Critical	False	False	Successful ✔
2	SNMP v2 read without ACL disabled	Critical	False	False	Successful ✔
3	SNMP v2 read with ACL disabled	Critical	False	False	Successful ✔
4	SNMP v1 trap host disabled	Critical	False	False	Successful ✔

5	SNMP v2 trap host disabled	Critical	False	False	Successful ✔
6	SNMP v3 read [authnopriv|noauth|authpriv without ACL] or write disabled	Critical	False	False	Successful ✔
7	SNMP v3 read authpriv with ACL enabled	Critical	False	False	Successful ✔

Right configuration setting found in:
snmp-server group SNMP_V3_GRP v3 priv read READVIEWv3 access SNMP_V3

8	SNMP v3 read authpriv with IPv6 ACL enabled	Critical	False	False	Successful ✔

Right configuration setting found in:
snmp-server group SNMP_V3_GRP_IPV6 v3 priv read READVIEWv3 access ipv6 SNMP_V3_ACL6

9	SNMP user v1|v2c or v3 [noauth|authnopriv|no sha|no aes|without ACL] disabled	Critical	False	False	Successful ✔
10	SNMP trap source interface	High	False	False	Successful ✔

Right configuration setting found in:
snmp-server trap-source Loopback0

11	SNMP server location	High	False	False	Successful ✔

Right configuration setting found in:
snmp-server location GNS3LAB

12	SNMP v3 traps priv	Medium	False	False	Successful ✔

Right configuration setting found in:
snmp-server host 192.168.60.11 version 3 priv SNMPv3USER

13	SNMP traps v3 read [authnopriv|noauth] or v1|v2 disabled	Critical	False	False	Successful ✔
14	SNMP traps enabled	Medium	False	False	Successful ✔

Right configuration setting found in:
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart

15	ACL is created for SNMPv3	Critical	False	False	Error ✘

Comment:
Cannot be fixed automatically!

Fix notice:
Cannot be fixed automatically! If search is not successful create ACL, which permits only needed end stations for receiving SNMP with these commands:
ip access-list standard <acl name>
remark Permiting SNMP
permit <ip address> <wildcard mask>

16	ACL IPv6 is created for SNMPv3	Critical	False	False	Error ✘

Comment:
Cannot be fixed automatically!

Fix notice:
Cannot be fixed automatically! If search is not successful create ACL, which permits only needed end stations for receiving SNMP with these commands:
ipv6 access-list <acl name>
remark Permiting managemnt device
permit ip <ip address> <wildcard mask> any

17	SNMP interface index persist enabled globally	High	False	False	Successful ✔

Right configuration setting found in:
snmp-server ifindex persist

18	SNMP interface index persist enabled per interface	High	False	False	Matched by equivalent ✔

Comment:
Module was marked as matched by equivalent by module 05_20_snmp_ifindex_persist_globally.yaml

Syslog

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	Syslog server enabled	High	False	False	Successful ✔

Right configuration setting found in:
logging host 192.168.60.11

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
2	Syslog server IPv6 enabled	High	False	False	Not relevant ✔

Comment:
Module 06_02_syslog_server_ipv6.yaml configured to run after 06_01_syslog_server.yaml with status error but that module has not run yet with specified cmd_match_status, 06_02_syslog_server_ipv6.yaml will not run

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
3	Syslog source interface	Medium	False	False	Successful ✔

Right configuration setting found in:
logging source-interface Loopback0

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
4	Syslog format	Medium	False	False	Successful ✔

Right configuration setting found in:
service timestamps log datetime msec

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
5	Syslog critical alerts to console	Medium	False	False	Successful ✔

Right configuration setting found in:
logging console critical

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
6	Syslog send informational traps	High	False	False	Successful ✔
7	Syslog buffer set with severity	High	False	False	Successful ✔

Right configuration setting found in:
logging buffered 40960 informational

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
8	Syslog local backup	High	False	False	Successful ✔

Right configuration setting found in:
logging persistent url unix:/

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
9	Syslog sequence numbers added	Medium	False	False	Successful ✔

Right configuration setting found in:
service sequence-numbers

NTP

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	NTP server set	High	False	False	Successful ✔

Right configuration setting found in:
ntp server 192.168.60.11

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
2	NTP source interface	Medium	False	False	Successful ✔

Right configuration setting found in:
ntp source Loopback0

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
3	NTP authentication key	High	False	False	Successful ✔

Right configuration setting found in:
ntp authentication-key 1 md5 11070D152713181F132E7A767B 7

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
4	NTP trusted key	High	False	False	Successful ✔

Right configuration setting found in:
ntp trusted-key 1

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
5	NTP authenticate	High	False	False	Successful ✔

Right configuration setting found in:
ntp authenticate

High load

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	SNMP traps for CPU load	Medium	False	False	Successful ✔

Right configuration setting found in:
snmp-server enable traps cpu threshold

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
2	Threshold for CPU load	Medium	False	False	Successful ✔

Right configuration setting found in:
process cpu threshold type total rising 70 interval 5

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
3	Statistics entry for CPU load	Low	False	False	Successful ✔

Right configuration setting found in:
process cpu statistics limit entry-percentage 70

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
4	Reserve memory for critical notification	Medium	False	False	Successful ✔

Right configuration setting found in:
memory reserve critical 1000

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
5	Minimum CPU memory notification	Medium	False	False	Successful ✔

Right configuration setting found in:
memory free low-watermark processor 2000

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
6	Minimum IO memory notification	Medium	False	False	Error ✘

Generated fix:
memory free low-watermark io 2000

Network Mapping

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	CDP globally disabled	Critical	False	False	Successful ✔

Right configuration setting found in:
no cdp run

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
2	CDP disabled on interface(s)	Critical	False	False	Matched by equivalent ✔

Comment:
Module was marked as matched by equivalent by module 11_01_cdp_run_disabled.yaml

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
3	LLDP globally disabled	Critical	False	False	Successful ✔
4	LLDP receive disabled on interface(s)	Critical	False	False	Not relevant ✔

Comment:
Module 11_04_lldp_receive.yaml configured to run after 11_03_lldp_run_disabled.yaml with status error but that module has not run yet with specified cmd_match_status, 11_04_lldp_receive.yaml will not run

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
5	LLDP transmit disabled on interface(s)	Critical	False	False	Not relevant ✔

Comment:
Module 11_05_lldp_transmit.yaml configured to run after 11_03_lldp_run_disabled.yaml with status error but that module has not run yet with specified cmd_match_status, 11_05_lldp_transmit.yaml will not run

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
6	Proxy ARP disabled on interface(s)	Critical	False	False	Successful ✔

Right configuration setting found in:
interface Loopback0
no ip proxy-arp
interface Tunnel0
no ip proxy-arp
interface Ethernet0/0
no ip proxy-arp
interface Ethernet0/1
no ip proxy-arp
interface Ethernet0/1.50
no ip proxy-arp
interface Ethernet0/1.60
no ip proxy-arp
interface Ethernet0/2
no ip proxy-arp
interface Ethernet0/3
no ip proxy-arp
interface Ethernet1/0
no ip proxy-arp
interface Ethernet1/1
no ip proxy-arp
interface Ethernet1/2
no ip proxy-arp
interface Ethernet1/3
no ip proxy-arp
interface Serial2/0
no ip proxy-arp
interface Serial2/1
no ip proxy-arp
interface Serial2/2
no ip proxy-arp
interface Serial2/3
no ip proxy-arp
interface Serial3/0
no ip proxy-arp
interface Serial3/1
no ip proxy-arp
interface Serial3/2
no ip proxy-arp
interface Serial3/3
no ip proxy-arp

| 7 | ICMP Unreachable disabled on interface(s) | High | False | False | Successful ✔ |

Right configuration setting found in:
interface Loopback0
no ip unreachables
interface Tunnel0
no ip unreachables
interface Ethernet0/0
no ip unreachables
interface Ethernet0/1
no ip unreachables
interface Ethernet0/1.50
no ip unreachables
interface Ethernet0/1.60
no ip unreachables
interface Ethernet0/2
no ip unreachables
interface Ethernet0/3
no ip unreachables
interface Ethernet1/0
no ip unreachables
interface Ethernet1/1
no ip unreachables
interface Ethernet1/2
no ip unreachables
interface Ethernet1/3
no ip unreachables
interface Serial2/0
no ip unreachables
interface Serial2/1
no ip unreachables
interface Serial2/2
no ip unreachables
interface Serial2/3
no ip unreachables
interface Serial3/0
no ip unreachables
interface Serial3/1
no ip unreachables
interface Serial3/2
no ip unreachables
interface Serial3/3
no ip unreachables

8	ICMPv6 Unreachable disabled on interface(s)	High	False	False	Successful ✔

Right configuration setting found in:
interface Loopback0
no ipv6 unreachables
interface Tunnel0
no ipv6 unreachables
interface Ethernet0/0
no ipv6 unreachables
interface Ethernet0/1
no ipv6 unreachables
interface Ethernet0/1.50
no ipv6 unreachables
interface Ethernet0/1.60
no ipv6 unreachables
interface Ethernet0/2
no ipv6 unreachables
interface Ethernet0/3
no ipv6 unreachables
interface Ethernet1/0
no ipv6 unreachables
interface Ethernet1/1
no ipv6 unreachables
interface Ethernet1/2
no ipv6 unreachables
interface Ethernet1/3
no ipv6 unreachables
interface Serial2/0
no ipv6 unreachables
interface Serial2/1
no ipv6 unreachables
interface Serial2/2
no ipv6 unreachables
interface Serial2/3
no ipv6 unreachables
interface Serial3/0
no ipv6 unreachables
interface Serial3/1
no ipv6 unreachables
interface Serial3/2
no ipv6 unreachables
interface Serial3/3
no ipv6 unreachables

9	ICMP Mask Reply disabled on interface(s)	High	False	False	Successful ✔
10	Directed broadcast disabled on interface(s)	Critical	False	False	Successful ✔
11	ICMP Redirects disabled on interface(s)	High	False	False	Successful ✔

Right configuration setting found in:
interface Loopback0
no ip redirects
interface Tunnel0
no ip redirects
interface Ethernet0/0
no ip redirects
interface Ethernet0/1
no ip redirects
interface Ethernet0/1.50
no ip redirects
interface Ethernet0/1.60
no ip redirects
interface Ethernet0/2
no ip redirects
interface Ethernet0/3
no ip redirects
interface Ethernet1/0
no ip redirects
interface Ethernet1/1
no ip redirects
interface Ethernet1/2
no ip redirects
interface Ethernet1/3
no ip redirects
interface Serial2/0
no ip redirects
interface Serial2/1
no ip redirects
interface Serial2/2
no ip redirects
interface Serial2/3
no ip redirects
interface Serial3/0
no ip redirects
interface Serial3/1
no ip redirects
interface Serial3/2
no ip redirects
interface Serial3/3
no ip redirects

Routing

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	OSPF IPv4 Router ID	Medium	False	False	Successful ✔

Right configuration setting found in:
router ospf 1
router-id 1.1.1.1

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
2	OSPF IPv6 Router ID	Medium	True	False	Not relevant ✔

Comment:
Skipped, required function ospf ipv6 not configured on device. Everything is OK.

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
3	OSPFv3 Address Family General Router ID	Medium	True	False	Not relevant ✔

Comment:
Skipped, required function ospfv3 not configured on device. Everything is OK.

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
4	OSPFv3 Address Family IPv4 Router ID	Medium	True	False	Not relevant ✔

Comment:
Skipped, required function ospfv3 not configured on device. Everything is OK.

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
5	OSPFv3 Address Family IPv6 Router ID	Medium	True	False	Not relevant ✔

Comment:
Skipped, required function ospfv3 not configured on device. Everything is OK.

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
6	EIGRP IPv4 Router ID	Medium	True	False	Not relevant ✔

Comment:
Skipped, required function eigrp ipv4 not configured on device. Everything is OK.

7	EIGRP IPv6 Router ID	Medium	True	False	Not relevant ✔

Comment:
Skipped, required function eigrp ipv6 not configured on device. Everything is OK.

8	EIGRP Named IPv4 Router ID	Medium	False	False	Successful ✔

Right configuration setting found in:
router eigrp EIGRP_NAMED
address-family ipv4 unicast autonomous-system 1
eigrp router-id 2.2.2.2

9	EIGRP Named IPv6 Router ID	Medium	False	False	Successful ✔

Right configuration setting found in:
router eigrp EIGRP_NAMED
address-family ipv6 unicast autonomous-system 1
eigrp router-id 10.10.10.2

10	BGP Router ID	Medium	True	False	Not relevant ✔

Comment:
Skipped, required function bgp not configured on device. Everything is OK.

11	OSPF IPv4 Log adjacency changes	Medium	False	False	Successful ✔
12	OSPF IPv6 Log adjacency changes	Medium	True	False	Not relevant ✔

Comment:
Skipped, required function ospf ipv6 not configured on device. Everything is OK.

13	OSPFv3 Address Family IPv6 Log adjacency changes	Medium	True	False	Not relevant ✔

Comment:
Skipped, required function ospfv3 not configured on device. Everything is OK.

14	OSPFv3 Address Family IPv4 Log adjacency changes	Medium	True	False	Not relevant ✔

Comment:
Skipped, required function ospfv3 not configured on device. Everything is OK.

15	OSPFv3 Address Family IPv6 Log adjacency changes	Medium	True	False	Not relevant ✔

Comment:
Skipped, required function ospfv3 not configured on device. Everything is OK.

16	EIGRP IPv4 Log neighbor changes	Medium	True	False	Not relevant ✔

Comment:
Skipped, required function eigrp ipv4 not configured on device. Everything is OK.

17	EIGRP IPv6 Log neighbor changes	Medium	True	False	Not relevant ✔

Comment:
Skipped, required function eigrp ipv6 not configured on device. Everything is OK.

18	EIGRP Named IPv4 Log neighbor changes	Medium	False	False	Successful ✔
19	EIGRP Named IPv6 Log neighbor changes	Medium	False	False	Successful ✔
20	BGP Log neighbor changes	Medium	True	False	Not relevant ✔

Comment:
Skipped, required function bgp not configured on device. Everything is OK.

21	RIP auto summary disabled	High	False	False	Successful ✔

Right configuration setting found in:
router rip
no auto-summary

22	EIGRP IPv4 Auto summary disabled	High	True	False	Not relevant ✔

Comment:
Skipped, required function eigrp ipv4 not configured on device. Everything is OK.

23	EIGRP IPv6 Auto summary disabled	High	True	False	Not relevant ✔

Comment:
Skipped, required function eigrp ipv6 not configured on device. Everything is OK.

24	EIGRP Named IPv4 Auto summary disabled	High	False	False	Successful ✔
25	EIGRP Named IPv6 Auto summary disabled	High	False	False	Successful ✔
26	BGP Auto summary disabled	High	True	False	Not relevant ✔

Comment:
Skipped, required function bgp not configured on device. Everything is OK.

27	BGP Multihop disabled or TTL security used	High	True	False	Not relevant ✔

Comment:
Skipped, required function bgp not configured on device. Everything is OK.

28	IP Source routing (IP Options) disabled	Critical	False	False	Successful ✔

Filtering

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	IP Options disabled	Critical	False	False	Successful ✔

Right configuration setting found in:
ip options drop

Other

No.	Name	Severity	Skipped	Cannot determine search/fix	Status
1	Servis PAD disabled (Packet assembler disassembler)	High	False	False	Successful ✔

Right configuration setting found in:
no service pad

2	BOOTP server disabled	High	False	False	Successful ✔

Right configuration setting found in:
no ip bootp server

3	Ident protocol disabled	High	False	False	Successful ✔
4	Finger protocol disabled	High	False	False	Successful ✔
5	HTTP server disabled	High	False	False	Successful ✔
6	HTTPS server disabled	High	False	False	Successful ✔
7	TCP small server disabled	High	False	False	Successful ✔
8	UDP small server disabled	High	False	False	Successful ✔
9	MOP protocol disabled	High	False	False	Successful ✔

Right configuration setting found in:
interface Ethernet0/0
no mop enabled
interface Ethernet0/1
no mop enabled
interface Ethernet0/2
no mop enabled
interface Ethernet0/3
no mop enabled
interface Ethernet1/0
no mop enabled
interface Ethernet1/1
no mop enabled
interface Ethernet1/2
no mop enabled
interface Ethernet1/3
no mop enabled

10	IP domain lookup disabled	High	False	False	Successful ✔

Right configuration setting found in:
no ip domain lookup

11	Gratuitous ARPs generation disabled	High	False	False	Successful ✔

Right configuration setting found in:
no ip gratuitous-arps

12	Gratuitous ARPs reject enabled	High	False	False	Successful ✔

Right configuration setting found in:
ip arp gratuitous none

13	Netflow is disabled	Notice	False	False	Successful ✔

Fix ignore comment:
By default fix is ignored due to disablement of traffic monitoring. Consider whether port mirroring is neccesary for monitoring

14	Netflow version 9 used	Medium	False	False	Not relevant ✔

Comment:
Module 15_14_netflow_version_9.yaml configured to run after 15_13_netflow.yaml with status error but that module has not run yet with specified cmd_match_status, 15_14_netflow_version_9.yaml will not run

15	Netflow traffic analyze disabled on interface(s)	Notice	False	False	Not relevant ✔

Comment:
Module 15_15_netflow_interface.yaml configured to run after 15_13_netflow.yaml with status error but that module has not run yet with specified cmd_match_status, 15_15_netflow_interface.yaml will not run

Fix ignore comment:
By default fix is ignored due to disablement of traffic monitoring. Consider whether port mirroring is neccesary for monitoring

16	Port mirroring disabled on interface(s)	Notice	False	False	Successful ✔

Fix ignore comment:
By default fix is ignored due to disablement of traffic monitoring. Consider whether port mirroring is neccesary for monitoring

17	Set always "UP" Loopback interface with IP address	Medium	False	False	Successful ✔

Right configuration setting found in:
interface Loopback0
ip address 1.1.1.1 255.255.255.0
no ip redirects
no ip unreachables
no ip proxy-arp
no ipv6 redirects
no ipv6 unreachables
snmp ifindex persist

18	Notification on memory IO leak/overflow	Medium	False	False	Error ✘

Generated fix:
exception memory ignore overflow io

19	Notification on memory CPU leak/overflow	Medium	False	False	Error �’

Generated fix:
exception memory ignore overflow processor

20	Network boot disabled	Medium	False	False	Successful ✔
21	Network config load disabled	Medium	False	False	Successful ✔
22	SCP server enabled	Medium	False	False	Successful ✔

Right configuration setting found in:
ip scp server enable

23	SCP alias copy instead of TFTP	High	False	False	Successful ✔
24	Protection of configuration deletion	High	False	False	Successful ✔

Right configuration setting found in:
secure boot-config

25	Archive and log config changes	Medium	False	False	Successful ✔

Right configuration setting found in:
archive
log config
logging enable
notify syslog contenttype plaintext
hidekeys
path unix:
maximum 5
time-period 60
memory reserve critical 1000
memory free low-watermark processor 2000
username admin secret 5 1gYU0$93lIuGg5QupQM5RQS5qHe1
secure boot-config

26	Terminate hanged inbound TCP connection to device	Medium	False	False	Successful ✔

Right configuration setting found in:
service tcp-keepalives-in

27	Terminate hanged outbound TCP connection to device	Medium	False	False	Successful ✔

Right configuration setting found in:
service tcp-keepalives-out

28	Encrypt all saved passwords in configuration	Critical	False	False	Successful ✔

Right configuration setting found in:
no service password-encryption

29	First Hop Redundancy Protocol used	High	False	False	Error ✗

Comment:
Cannot be fixed automatically! Cannot automatically determine which interface is sutable for deployment of FHRP protocols! Issue one of commands:
interface <interface name>
vrrp <group id> ip <ip address>
vrrp priority <value>
vrrp <group id> authentication md5 key-string <key>
fhrp version vrrp v3
or
interface <interface name>
standby <group id> ip <ip address>
standby priority <value>
standby <group id> preempt
standby <group id> authentication md5 key-string <key>
or
interface <interface name>
glbp <group id> ip <ip address>
glbp priority <value>
glbp <group id> preempt
glbp <group id> authentication md5 key-string <key>

Fix notice:
Issue one of these command for FHRP in interface which should act as default gateway:
interface <interface name>
standby <id> ip <ip address>

vrrp <id> ip <ip address>

glbp <id> ip <ip address>

30	VRRP version 3 used	High	True	False	Not relevant ✔

Comment:
Skipped, required function vrrp not configured on device. Everything is OK.

31	FHRP plaintext authentication disabled	High	False	False	Not relevant ✔

Comment:
Module 15_31_fhrp_plain_auth.yaml configured to run after 15_29_fhrp_used.yaml with status successful but that module has not run yet with specified cmd_match_status, 15_31_fhrp_plain_auth.yaml will not run

32	FHRP MD5 authentication enabled	High	False	False	Not relevant ✔

Comment:
Module 15_32_fhrp_md5_auth.yaml configured to run after 15_29_fhrp_used.yaml with status successful but that module has not run yet with specified cmd_match_status, 15_32_fhrp_md5_auth.yaml will not run

33	HSRP/GLBP preemption enabled	Medium	True	False	Not relevant ✔

Comment:
Skipped, required function hsrp not configured on device. Everything is OK.

34	HSRP version 2 used	Medium	True	False	Not relevant ✔

Comment:
Skipped, required function hsrp not configured on device. Everything is OK.